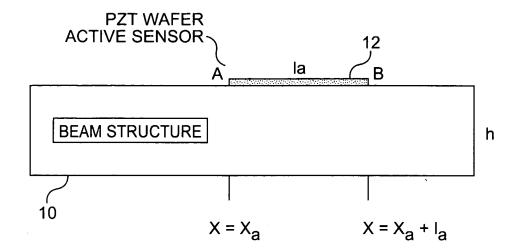
Amendments to the Drawings:

The attached set of formal drawings replaces the original informal drawing sheets filed with the present application.

Attachment: Replacement drawing sheets (10 sheets)



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PZT STRAIN AND DISPLACEMENT, $\epsilon_{\mbox{PZT}}$ AND $U_{\mbox{PZT}}$

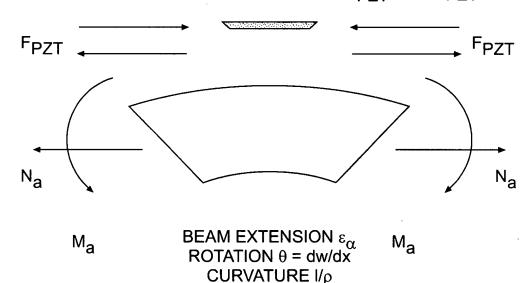


FIG. 1

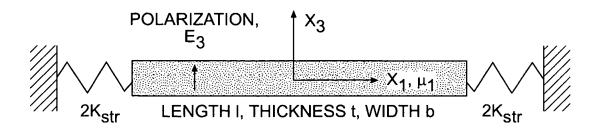


FIG. 2



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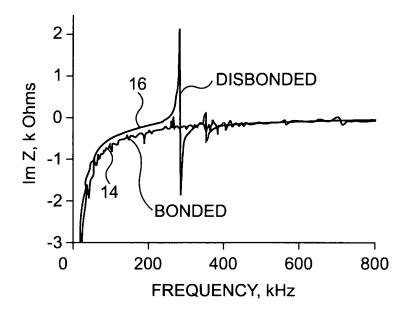


FIG. 3

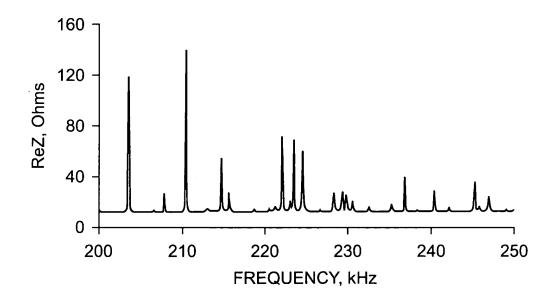
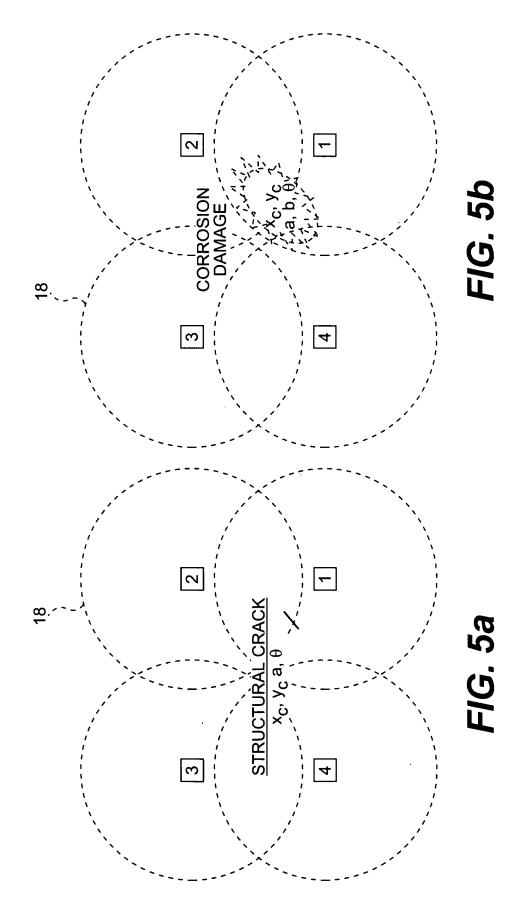


FIG. 4



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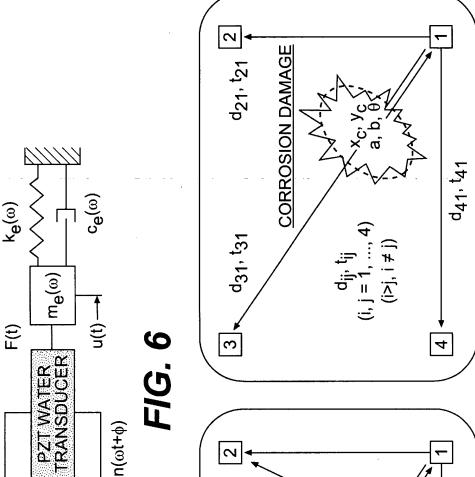




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3

 $i(t) = 1 \sin(\omega t + \phi)$

 $V(t) = V \sin(\omega t)$

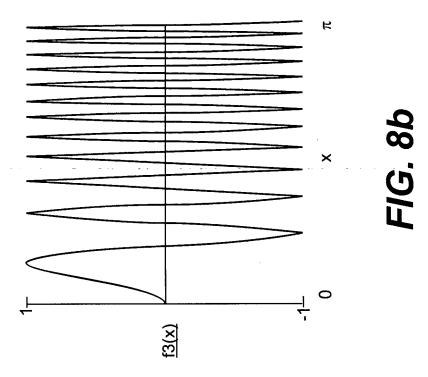
 x_c , y_c , a, θ CRACK d41, t41 (i>j, i ≠ j)

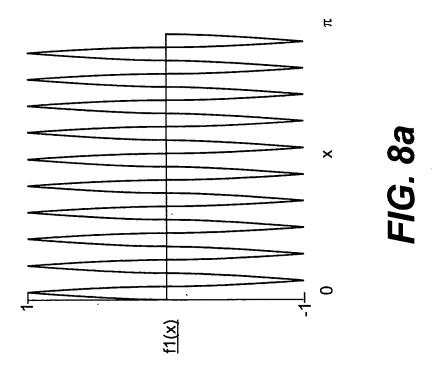
FIG. 7a

FIG. 7b



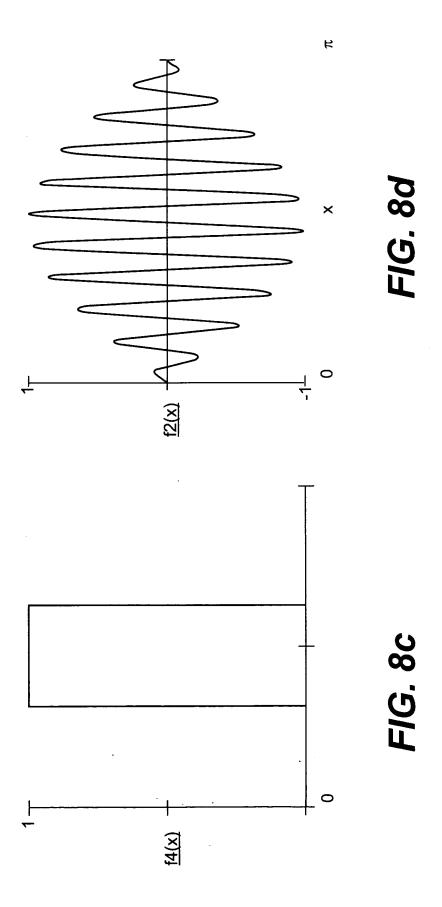
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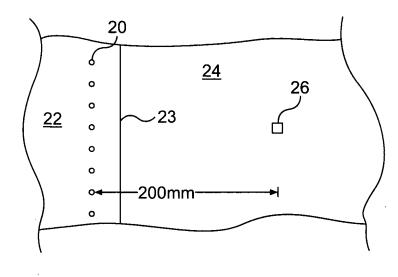


FIG. 9a

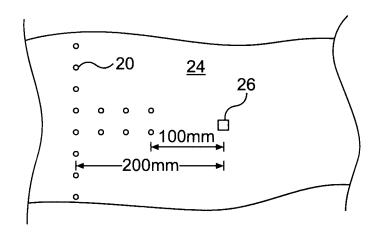


FIG. 9b

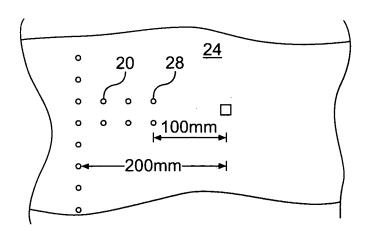
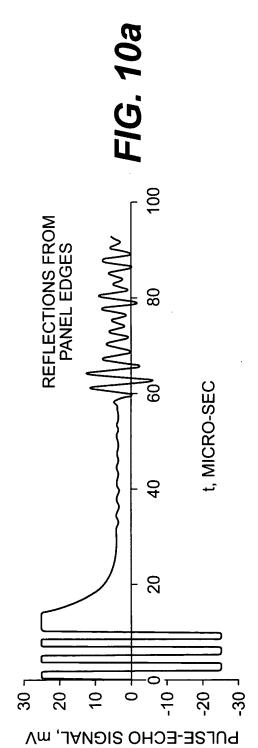
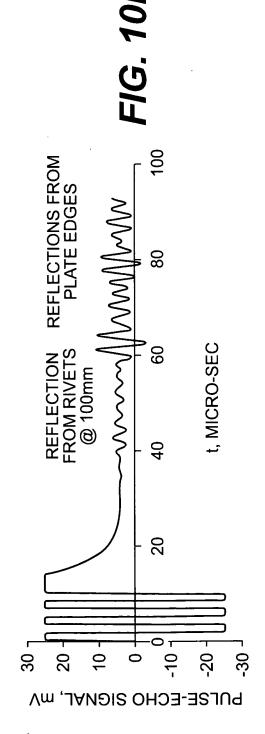


FIG. 9c



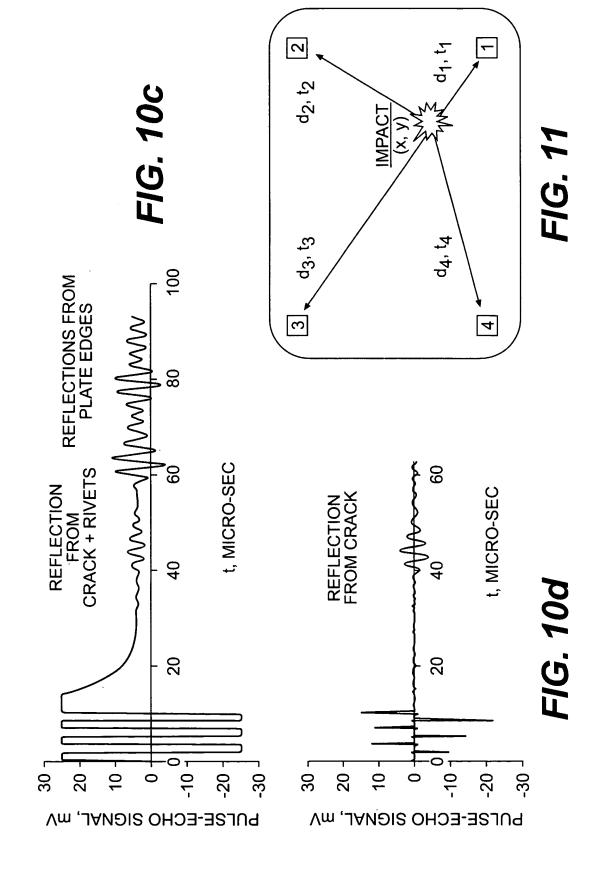
Serial No: 10/072,644 Examiner: Shah, Kamini S.



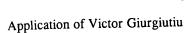




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